



Commonwealth of Virginia
Department of Mines, Minerals and Energy
Division of Gas and Oil
P.O. Box 1416; Abingdon, VA 24212
Telephone: (276) 676-5423

Operations Name _____
Permit Number: _____

APPLICATION FOR DISPOSAL OF PIT OR PRODUCED FLUIDS

Pursuant to 4 VAC 25-150-420, the undersigned permittee requests:

- ☐ A. Approval to transport and dispose of pit or produced fluids through an approved disposal site, which accepts pit produced fluids from gas and oil operations
- ☐ B. Approval for a one time application of pit fluids on the permitted site
- ☐ C. No free pit fluids for removal

CERTIFICATION

I the undersigned applicant or permittee, certify that this document and all attachments were prepared under my direction. The information submitted is, to the best of my knowledge, true, accurate and complete.

Signature: _____ Title: _____
Date: _____

(FOR OFFICE USE ONLY)

(APPROVED: ☐ DENIED: ☐)

(_____ Date: _____)
DGO DIVISION DIRECTOR

VERIFICATION OF ANALYSIS

Attach the lab analysis and its results. Denote on the attachment the date, time and method of collection and the date of the analysis.

DESCRIPTION OF APPLICATION AREA

Soil Type: _____ Soil Permeability: _____ Depth to Bedrock: _____
Depth to Water Table: _____ Nearest Water Supply: _____ Type: _____ Well _____ Spring _____
Nearest Surface Water Courses: _____
Nearest Occupied Dwelling: _____
Total Acreage of Proposed Application Area: _____
Average Slope of the Proposed Area of Land Application: _____

LOCATION AND DESIGN MAP

A map on the scale of 1" = 400' showing the acreage within the permitted site to be used for land application identifying all surface waters, wells, springs, natural rock outcrops and property lines in relation to the proposed area of land application. The map shall also delineate any buffer zones.

METHOD OF LAND APPLICATION

Provide a narrative, describing the method in which you plan to land apply the pit fluids.

For applications under A, the permittee is required to submit the following with this application.

1. Submit the appropriate federal, state, and/or local permit number of the facility the permittee is proposing to dispose of the fluids under.
2. Attach a copy of the appropriate sections of the permit, which allows acceptance of fluid waste from the gas and oil operations.
3. Submit the total estimated volume of fluid to be transported.

For applications under B, the permittee must complete the following information with the appropriate documentation with this application.

A. Pit Fluid Characterization:

Date Pit Was First Used: _____ Estimated Volume of Pit Fluid _____ (gallons)
Description of the Constituents of the Fluid Placed in the Pit _____

B. Analysis of the Pit Fluids:

ANALYSIS		STANDARD LIMITS
Acidity		<alkalinity
Alkalinity		>acidity
Chlorides		5,000 mg/l*
Iron		<7 mg/l
Manganese		<4 mg/l
Oil and Grease		< 15 mg/l
pH		6-9 Standard Units
Sodium Balance		SAR of 8-12**

- * For chlorides above 5,000 mg/l, the application will be reviewed to determine whether a permit would be required from the DEQ.
- ** The sodium absorption rate shall be determined on the soils to which the liquid is to be applied.